

Note on *Pseudodiacantha macklottii* (de Haan, 1842)

Oliver Zompro, Max-Planck-Institut für Limnologie, AG Tropenökologie, August-Thienemannstraße 2, 24306 Plön, Germany.

Abstract

The type species of *Lamachus* Stål, 1877, *Lamarchinus* Uvarov, 1940, *Lopaphus* Redtenbacher, 1908 (not *Lopaphus* Westwood, 1859), *Lopaphodes* Karny, 1923, *Orxines* Stål, 1875, *Pseudodiacantha* Redtenbacher are reviewed, with the result that *Lamachus* and *Lamarchinus* are found to be new synonyms of *Orxines* and that the correct name of one of the most famous phasmids has to be corrected into *Pseudodiacantha macklottii* (de Haan, 1842).

Key words

Phasmida, Phasmatodea, *Orxines* Stål, *Lamachus* Stål, *Pseudodiacantha* Redtenbacher, type species, *Pseudodiacantha macklottii* (de Haan, 1842), new synonyms.

The lichen-like phasmid *Orxines macklottii* (de Haan, 1842), is one of the most famous phasmids. During his research on Philippine phasmids the author came across a striking mistake which Rehn (1904: 71) made when selecting a type species for *Orxines* Stål, 1875, caused by ignoring or not understanding Stål's reasons for the establishment of his new genus *Lamachus* Stål, 1877. The selection of *Anophelepis xiphias* Westwood as type species of *Orxines* Stål by Rehn (1904: 71) was founded just on the fact that this species was figured by Westwood.

In *Orxines* its author, Stål, originally included *Anophelepis xiphias* Westwood, 1859: 71, pl. 4.4 & 4.5, *Necroscia zeuxis* Westwood, 1859: 151, pl. 28.5 & 28.6 and *Phasma* (*Lopaphus*) *macklottii* de Haan, 1842: 126, pl. 11.1 & 11.2. When establishing *Lamachus*, Stål (1877: 41) pointed out that the new genus differs from *Orxines* in the body being "longiore et graciliore" (longer and slenderer) and included the newly described *L. semperi* and *L. xiphias* (Westwood). So it was obvious that his intention was to separate the slender, stick-like species from the lichen-like *macklottii* and *zeuxis*.

Redtenbacher (1908: 552) erected *Pseudodiacantha* for *P. obscura*, a species that Brock (1998: 8) found to be a synonym of *O. macklottii* (de Haan, 1842), so this is an available genus to include the species Stål wanted to place in his *Orxines*.

Because of Rehn's decision, *Lamachus* becomes a synonym of *Orxines*, which includes the species *O. xiphias* (Westwood) and *O. semperi* (Stål) and some other species, while *Pseudodiacantha* includes *P. macklottii* (de Haan) and *P. zeuxis* (Westwood); consequently *Lopaphus* Redtenbacher (not *Lopaphus* Westwood) and *Lopaphodes* Karny are synonyms of *Pseudodiacantha*. This means that one of the most famous phasmids from the PSG culture list: PSG 2, *Orxines macklottii*, has to change its name into *Pseudodiacantha macklottii* (de Haan, 1842).

The synonymies of *Orxines* and *Pseudodiacantha* are as follows:

Orxines Stål, 1875: 43. Type species: *Anophelepis xiphias* Westwood, 1859: 71, pl. 4.4 & 4.5, by subsequent designation of Rehn, 1904: 71.

Lamachus Stål, 1877: 41, n.syn. Type species: *Lamachus semperi* Stål, 1877, by present designation. Preoccupied by *Lamachus* Foerster, 1868 (Hymenoptera: Ichneumonidae).

Lamarchinus Uvarov, 1940: 175, n.syn. Type species: *Lamachus semperi* Stål, 1877, by indication. Replacement name for the preoccupied *Lamachus* Stål, 1877.

Pseudodiacantha Redtenbacher, 1908: 552. Type species: *Pseudodiacantha obscura* Redtenbacher, 1908: 552, by monotypy; a synonym of *O. macklottii* (de Haan, 1842), synonymised by Brock, 1998: 8.

Lopaphus Redtenbacher, 1908: 491. Type species: *Necroscia zeuxis* Westwood, 1859, by

monotypy. Preoccupied by *Lopaphus* Westwood, 1859: 99 (Phasmatodea), replaced by *Lopaphodes* Karny, 1923: 241.

Lopaphodes Karny, 1923: 241 (Replacement name for *Lopaphus* Redtenbacher (not *Lopaphus* Westwood). Type species: *Necroscia zeuxis* Westwood, 1859: 151, pl. 28.5 & 28.6, by original designation. Synonymised erroneously with *Orxines* Stål by Günther, 1934: 530.

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